

down the facilities provided to the workers of tea industry. 5+5

5. (a) Distinguish between: 2.5+2.5
(i) Voluntary turnover and Involuntary turnover
(ii) Downsizing and Outsourcing.
(b) Write short notes on and Expectancy, Equity Theory and Goal Setting. 5
6. (a) Write Short notes on: 8
(i) Green Leaf Sifting (ii) Grading and Sorting
(iii) Fermentation Process (iv) V profile and U profile in CTC manufacturing (v) Leaf Maceration (vi) Requirements for good CTC Tea
(b) Why correct feeding and pressure is important in rotor vanes? Explain. 2
7. Write down brief notes on the following processing
(i) Ball mall and (ii) Blown Tea. Why it is necessary. 10
8. (a) Write the basic principles of Human Resource Management. What are the Human Resource Management activities in general? 4+4
(b) What is Tea waste? 2

B. Tech Odd Semester Examination, February, 2023

Agricultural Engineering

(7h Semester)

Course No.: AE-B03

(Tea Technology)

Full Marks: 50

Pass Marks: 25

Time: 2 hours

- Note:**
1. Attempt any five questions.
 2. Begin each answer in a new page.
 3. Answer parts of a question at a place.
 4. Assume reasonable data wherever required.
 5. The figures in the right margin indicate full marks for the question.
 6. All the mathematical symbols and abbreviations have their usual meanings.
1. Explain with the name of machinery involved in all the steps of CTC processing also draw a flow chart for CTC processing. Write the difference between physical withering and chemical withering. 8+2
2. The orthodox tea processing consists of several steps; explain with the name of machinery involved in all the steps also draw a flow chart. What are the manufacturing difference between Green tea and Black tea? 8+2
3. What do mean by pruning and skiffing. Write their major objectives and explain the types of pruning and skiffing? 2+2+6
4. Mention the major problems associated with the workers while plucking the tea leaves. Also write

Turn Over